

What is claimed is:

1. A disposable cartridge for use in an extracorporeal blood perfusion system having a cardiopulmonary circuit for receiving venous blood from a patient, oxygenating the blood and returning the oxygenated blood to the patient, a cardioplegia circuit for delivering a cardioplegia solution to the patient, and a suction circuit for withdrawing blood or fluids from the patient or surgical site, the perfusion system having a control unit for controlling the flow of fluids in one or more of the circuits, the disposable cartridge comprising:

a housing defining a plurality of internal passageways, a first internal passageway being configured for connection to the cardiopulmonary circuit, a second internal passageway being configured for connection to the cardioplegia circuit and a third internal passageway being configured for connection to the suction circuit.

2. The disposable cartridge of claim 1 further comprising:
a filter configured for filtering fluid flowing through at least one of the plurality of internal passageways.

3. The disposable cartridge of claim 1 further comprising:
a bubble trap configured for removing bubbles from fluid in at least one of the plurality of internal passageways.

4. The disposable cartridge of claim 1 wherein the housing comprises a first rigid portion connected to a second flexible portion.

5. The disposable cartridge of claim 4 wherein the first portion comprises a translucent material configured to allow viewing of fluid in the internal passageways.

